

Work Order ID 124021

September-05-14 1:42:55 PM

124021

Page 1

Item ID: D350-636-012

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 9/05/14 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: MLS Date: 14-09-05 Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr	<u>480</u>							
D2750-042	G								
D3492	C								

100 Document Control 0.00

100

DC

Doc.Control -USB or Paperwork

DOCUMENT CONTROL

Memo

0.00

record fwd angle: 69.8° DCL

Photocopy blue file and type labels per PPP D350-636-012 CHG 007

DAS
83
9-83

OCT 29 2014

MLH

Work Order ID 124021

September-05-14 1:42:55 PM

124021

Page

Item ID: D350-636-012

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/05/14 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110	Skidtubes	0.00							
110									
Skidtubes									
Skidtubes	<p>Memo</p> <p>4- Pick D2600-3 Bent</p> <p>2- Deburr FWD and AFT ends, remove bending marks. Scribe batch# inside AFT end per dwg D2750</p> <p>3- Drill pilot holes for blade fitting bolt holes using DT8983. Start with 3/16", then open to 0.500" using center drill then ream holes using 0.500" reamer. PIN first side. Repeat process on second side.</p> <p>***ENSURE PROPER POSITIONING FWD BEND MUST BE FACING UP WHEN DRILLING FIRST SIDE***</p> <p>Drill pilot holes as per Dwg D2750 sheet 4 (D2750-2 details). Drill using drill Jig DT8150 & DT8863A for second side only DT8863B for first side (detail K)</p> <p>4- Locate DT8329 off of blade fitting bolt holes and drill pilot holes for blade fitting. Open to 0.500" using hole saw. VERIFY AND RECORD FWD BEND ANGLE.</p> <p>5- Drill only two fwd step holes using DT9616. Ensure proper positioning.</p> <p>6- Drill pilot holes for wearplates as per Dwg D2750 using DT8108 open to 0.297".</p> <p>7- Open up holes of Detail J to 0.297" (total of 2 holes per side)</p> <p>8- Weld D2744 Cap as per Dwg D2750 and QSI 004. Fill grooves in bend left from bending as per QSI 004</p>	0.00							
						1	0	14-9-22	DC

08-14-09-22

Work Order ID 124021

September-05-14 1:42:55 PM

124021

Page 3

Item ID: D350-636-012 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.
 Start Date: 9/05/14 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 9/05/14 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
	A/R Aluminum Rod batch: <u>M129399</u>								
	9- Grind welds flush as per Dwg D2750								

120	QC10- Inspect visual per QSI004- ground welds	0.00							
120	Memo	0.00							
QC									
Quality Control									

DAS 9 9-89
① 14.09.24

130	QC5- Inspect part completeness to step on W/O	0.00							
130	Memo	0.00							
QC									
Quality Control									

DAS 9 9-89
① 14.09.24

Work Order ID 124021

September-05-14 1:42:55 PM

124021

Page 4

Item ID: D350-636-012

Accept

N900040100

Setup Start *NS1*

Revision ID:

Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Stop *NS2*

Start Date: 9/05/14 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 9/05/14 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	Chemical Conversion Coat per QSI005 4.1	0.00							
140									
HandFinish	Memo	0.00							
Hand Finishing									
150	QC7-Inspect Chemical Conversion Coat	0.00							
150									
QC	Memo	0.00							
Quality Control									

14-9-24 DGL

DAS
18
9-29

1 0 14-09-24

Work Order ID 124021

September-05-14 1:42:55 PM

124021

Page 5

Item ID: D350-636-012 Accept *N9000040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.
 Start Date: 9/05/14 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 9/05/14 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160	Skidtubes	0.00							
160	Memo	0.00							
Skidtubes	1- Open up holes of Detail L using hole saw and ground handling to 0.625" (total of 8 holes per side) as per dwg D2750.								
	2- Open up holes of Detail K using hole saw to 0.750" (total of 4 holes per side) as per dwg D2750.								
	3- Open float holes using uni-bit to .500" (4 per Side)								
	4- Chamfer holes of Detail K, L, ground handling and float holes per dwg D2750 (welding instructions on sheet 9)								
	5- Deburr and blow out all chips from inside of tube								
	6- Prepare tube for welding, remove alodine as required.								
	7- Bond web D2739 in place as per QSI 015, let cure for 12hrs. A/R Sikaflex-291 batch: 129457 exp. date: 14-11-20								
	8- Weld spacers D3490-1, D3490-3 and D2743 as per dwg D2750 & QSI004 (welding instructions on sheet 9) A/R Aluminum Rod batch: m129399/m129285								
	9- At section AP-AP drill out x-bolt spacer to 0.404"								
	10-Grind welds flush as per Dwg D2750								
	11- Spot face ground handling holes section (total of 4 places per side) as per								

14-9-25

14-10-2

14-10-2

Work Order ID 124021

September-05-14 1:42:55 PM

124021

Page 6

Item ID: D350-636-012 Accept *N900040100* Setup Start *NS1*

Revision ID:

Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat. Stop *NS2*

Start Date: 9/05/14 Start Qty: 1.00 *1*

Required Date: 9/05/14 Req'd Qty: 1.00 *1*

Reference: Cust Item ID:

Customer:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
	dwg D2750								
	12- Deburr holes, ensure tube is free of all scratches before sending to paint.								
170	QC10- Inspect visual per QSI004- ground welds	0.00							
170		DAS							
QC	Memo	16							
Quality Control		0.00							
		9-89 14/10/08							
180	QC5- Inspect part completeness to step on W/O	0.00							
180		DAS							
QC	Memo	16							
Quality Control	***VERIFY C'BOARD IS GOOD***	0.00							
		9-89 14/10/08							

14-10-2

Work Order ID 124021

September-05-14 1:42:55 PM

124021

Page 7

Item ID: D350-636-012

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14 Start Qty: 1.00 **

Cust Item ID:

Required Date: 9/05/14 Req'd Qty: 1.00 **

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
190	Pressure Wash per QSI005 4.3	0.00							
190									
Hand Finish	Memo	0.00							
Hand Finishing	Re-alodine tube as per QSI 005 section 4.1.2.1 do not acid etch.								
200		0.00							
200									
Spray Paint	Memo	0.00							
Spray Painting	1- PRIME AS PER DWG AND QSI 005 4.2 PRIMER PRC DESOTO 515X349 BATCH: <u>120975</u>								
	2- PAINT WHITE AS PER DWG AND QSI 005 4.2 PAINT BATCH: <u>30531</u>								
210	QC14- Inspect Spray Paint	0.00							
210									
QC	Memo	0.00							
Quality Control	Inspect for foreign object per QSI 024								

14 of 14 10/10/09

1 CA 14/10/16

BT 14-10-16

Work Order ID 124021

September-05-14 1:42:55 PM

124021

Page 8

Item ID: D350-636-012 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.
 Start Date: 9/05/14 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 9/05/14 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
230		0.00							
230	HandFinishing								
HandFinish	Memo	0.00							
Hand Finishing	1-Install inserts as per dwg D2750								
	2-Inspect for Foreign Objects								
	3-Install blade fitting D3488-042, wearshoes and ground handling hardware as per dwg D2750								
	SIKA FLEX 241								
	BATCH: 11130227								
	EXP DATE: 15108								
	4-assemble o'ring to plug as per dwg D3492 and apply o'ring lube								
	A/R 55-o'ring lube batch: 11129305 RTV 398 BULK 11125792 exp: 15/06								
	5-Coat all exposed fasteners with "LPS Procyon"								
	batch: 11122900								
240	QC5- Inspect part completeness to step on W/O	0.00							
240									
QC	Memo	0.00							
Quality Control									

x1RH 6 2H

1 DAS 38 9-89 11-10-22

Work Order ID 124021

September-05-14 1:42:55 PM

124021

Page 9

Item ID: D350-636-012 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.
 Start Date: 9/05/14 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 9/05/14 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number DAS	Insp. Stamp
250	Pick Kit	0.00							
250									
Packaging	Memo	0.00							
Packaging									
260	QC4- 100% Inspect kits for completeness	0.00							
260									
QC	Memo	0.00							
Quality Control									
270	Packaging	0.00							
270									
Packaging	Memo	0.00							
Packaging	Package as per PPP D350-636-012								

OCT 2 9 2014

OCT 2 9 2014

OCT 3 0 2014

Work Order ID 124021

124021

Page 10

September-05-14 1:42:55 PM

Item ID: D350-636-012 Accept *N900040100* Setup Start *NS1*

Revision ID:

Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat. Stop *NS2*

Start Date: 9/05/14 Start Qty: 1.00 *1*

Required Date: 9/05/14 Req'd Qty: 1.00 *1*

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
280	QC21- Final Inspection - Work Order Release	0.00							
280									
QC	Memo	0.00							
Quality Control									

14/11/34

4-10-30

Picklist Print

September-05-14 1:42:58 PM

Page 1

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev: I02.09.25 Rearranged procedure steps KJ
 IPP Rev: J 06-03-29 As per Rev D EC IPP REV: K
 AS PER REV F JLM 13-08-22 VERIFIED BY: DD
 IPP Rev: K 06-07-13 As per dsi9343 EC
 IPP Rev: L 07-07-28 Added SS Wearplates (Rev E) JLM Verified By: EC
 IPP Rev: M 08-04-22 update steps 4,13 DD verified by: EC
 IPP Rev: N 08-09-23 rev F as per dwg DD verified by: ec IPP Rev: O
 10.06.22 revise seq 110 DD verf: EC IPP Rev: P 10.10.01 as
 per IIN rev H DD verf: EC IPP REV: Q 13.08.27 PER ECN13-
 594 DD VERF: JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D2600-3-BENT

Manufactured No

110

Each

1.0000

1

1

D2600-3-BENT

**

DGC 11-9-11

Extrusion Bent

Location

Loc Qty

Loc Code

LG002

123533

1

1130600

1

D2744

Manufactured No

110

Each

53.0000

1

1

D2744

**

BE14-09-22

Cap

Location

Loc Qty

Loc Code

LG001

53

113128

52

115440

1

Picklist Print

September-05-14 1:42:58 PM

Page 2

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

D2739

Manufactured No

160

Each

13.0000

1

1

D2739

350 I Beam

Location

Loc Qty

Loc Code

LG

10

123536

10

LG002

124522

3

117245

2

117803

1

① 14-9-25 *[Signature]*

D2743

Manufactured No

160

Each

192.0000

8

8

D2743

Crossbolt Spacer

BE 14-09-30

Location

Loc Qty

Loc Code

LG001

192

109799

1

112729

59

119609

58

120481

74

⑧

D3490-3

Manufactured No

160

Each

72.0000

4

4

D3490-3

Cross Bolt Spacer

BE 14-09-30

Location

Loc Qty

Loc Code

LG

72

122458

22

122751

50

4

Picklist Print

September-05-14 1:42:58 PM

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

D3490-1

Manufactured No

160

Each

100.0000

4

4

D3490-1

Cross Bolt Spacer

BE14-09-30

Location

Loc Qty

Loc Code

LG

85

122457

85

LG001

15

112737

1

116358

14

H

D3631-1

Manufactured No

230

Each

126.0000

8

8

D3631-1

Washer

14/10/21

Location

Loc Qty

Loc Code

FP001

126

110258

16

119553

10

123452

100

XB

D3791-1

Manufactured No

230

Each

6.0000

1

1

D3791-1

Wearpad

14/10/21

Location

Loc Qty

Loc Code

FP001

1

92689

1

FP002

5

118942

5

13120343

X1

Picklist Print

September-05-14 1:42:59 PM

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

D3793-3

Manufactured No

230

Each

8.0000

1

1

D3793-3

Wearplate Aft

**

all 10/10/21

Location

Loc Qty

Loc Code

FP001

1

B123333

104212

1

FP002

7

120141

7

MS21043-6

Purchased No

230

Each

58.0000

4

4

MS21043-6

NUT

**

all 10/10/21

Location

Loc Qty

Loc Code

FG

20

11130325

103693

20

ST306

38

m127255

6

m127813

32

D3794-1

Manufactured No

230

Each

2.0000

1

1

D3794-1

Gasket Fwd

**

all 10/10/21

Location

Loc Qty

Loc Code

FP001

2

B124082

109207

1

93381

1

Picklist Print

Page 5

September-05-14 1:42:59 PM

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

NAS1611-010

Purchased

No

230

Each

383.0000

8

8

NAS1611-010

O-RING

**

all 11/10/21

Location

Loc Qty

Loc Code

FP001

383

m126988

3

m127813

4

m128375

10

m129198

44

m129405

82

m129523

240

X8

D2741

Manufactured

No

250

Each

48.0000

1

1

D2741

Blade

**

DAS
28
9-89

OCT 29 2014

Location

Loc Qty

Loc Code

FG

10

100664

5

113640

2

115522

3

ST538

38

118387

38

IX

NAS1515H3L

Purchased

No

230

Each

293.0000

4

4

***NAS1515H3I ***

Washer

**

all 11/10/21

Location

Loc Qty

Loc Code

FG

40

102472

40

ST273

253

m127831

136

m128976

117

X4

September-05-14 1:42:59 PM

Shop Packet Print

Page 5

Picklist Print

Page 6

September-05-14 1:42:59 PM

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

NAS1611-013

Purchased

No

230

Each

140.0000

8

8

NAS1611-013

O-RING

**

ll 14/10/20

Location

Loc Qty

Loc Code

FP001

140

M1130358

x8

m128375

72

m129430

68

AN3C6A

Purchased

No

230

Each

1,058.000

4

4

AN3C6A

Bolt

**

ll 14/10/20

Location

Loc Qty

Loc Code

FG

10

122416

10

ST513

1048

m125709

52

m128769

996

x4

NAS1149C0832R

Purchased

No

230

Each

258.0000

1

1

NAS1149C0832R

Washer

**

ll 14/10/20

Location

Loc Qty

Loc Code

ST277

258

m114915

108

m125807

150

x1

Picklist Print

September-05-14 1:42:59 PM

Page 7

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

D3536-25

Manufactured No

230

Each

15.0000

1

1

D3536-25

Gasket Center

**

B12563 I (12) all 4/10/21

Location

Loc Qty

Loc Code

FG

6

87053

2

95328

4

FP001

9

110652

1

123300

7

93696

1

D3794-3

Manufactured No

230

Each

11.0000

1

1

D3794-3

Gasket Aft

**

all 4/10/21

Location

Loc Qty

Loc Code

FP001

11

111457

8

122529

2

92658

1

B121948

AN3C5A

Purchased No

230

Each

140.0000

34

34

AN3C5A

Bolt

**

all 4/10/21

Location

Loc Qty

Loc Code

FG

5

122800

5

11130358

ST350

135

M128911

27

M128973

10

M129913

98

X34

Picklist Print

Page 8

September-05-14 1:42:59 PM

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

D3537-1

Manufactured No

230

Each

93.0000

3

3

D3537-1

Wearpad

ll 10/10/21

Location

Loc Qty

Loc Code

FG

18

13124485

X3

79833

8

88562

10

FP001

75

113839

4

120644

52

120645

18

93945

1

D3535-25

Manufactured No

230

Each

24.0000

1

1

D3535-25

Wearplate Center

ll 10/10/21

Location

Loc Qty

Loc Code

FG

2

95077

2

FP002

22

110744

1

123415

20

93278

1

X1

Picklist Print

Page 9

September-05-14 1:42:59 PM

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

D3492-3

Manufactured No

230

Each

142.0000

8

8

D3492-3

Plug

lll 14/10/20

Location

Loc Qty

Loc Code

FP001

142

104853

24

107331

1

112739

1

115807

6

118977

10

123464

100

B124027

x9

NAS1149C0332R

Purchased

No

230

Each

3,653.000

38

38

NAS1149C0332R

WASHER

lll 14/10/20

Location

Loc Qty

Loc Code

CA

83

m129682

83

ST278

3570

122063

41

125654

609

m126319

61

m127306

2500

m127410

75

m127831

26

m128591

75

m129499

183

x30

Picklist Print

September-05-14 1:42:59 PM

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

D3488-042

Manufactured No

230

Each

16.0000

1

1

D3488-042

Blade Fitting RH

**

lll 14/10/21

Location

Loc Qty

Loc Code

FP001

15

115599

7

120135

7

98887

1

FP002

1

112237

1

*xl*_____

ALS4-1032-225

AELS8-1032-225 Purchased No

230

Each

258.0000

38

38

AI S4-1032-225

Rivnut

** ALS4-1032-225*

**

lll 14/10/21

Location

Loc Qty

Loc Code

FG

30

M127028

30

ST267

228

M127028

10

M127092

26

M128179

192

11130565

✓38

D3492-1

Manufactured No

230

Each

121.0000

8

8

D3492-1

Plug

**

lll 14/10/21

Location

Loc Qty

Loc Code

FP001

121

111578

2

114879

7

119646

2

120519

50

122460

60

*✓8*_____

Picklist Print

September-05-14 1:42:59 PM

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

D3793-1

Manufactured No

230

Each

11.0000

1

1

D3793-1

Wearplate Fwd

**

ll ulco/z

Location

Loc Qty

Loc Code

FP002

11

B123366

xl

112741

2

120212

8

92382

1

AN8C35A

Purchased No

230

Each

73.0000

1

1

AN8C35A

Bolt

**

ll ulco/z

Location

Loc Qty

Loc Code

FG

4

121275

4

FP001

69

m126293

29

m127823

1

m130114

39

xl

MS21083C8

Purchased No

230

Each

64.0000

1

1

MS21083C8

Nut

**

ll ulco/z

Location

Loc Qty

Loc Code

ST302

64

m127255

5

m128119

3

m128798

56

xl

Picklist Print

September-05-14 1:42:59 PM

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

D2745 Manufactured No 230 Each 145.0000 8 8

D2745

Bushing

all 14/10/20

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST010	145	
107336	4	
113176	2	
117099	7	
119572	51	<i>N 8</i>
122643	73	
90323	2	
93336	6	

AN6C44A

Purchased No

230 Each 45.0000 4 4

AN6C44A

Bolt

all 14/10/20

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	2	
103964	2	<i>X1130665</i>
ST333	43	<i>X4</i>
m128319	2	
m128700	1	
m129199	40	

D3532-1

Manufactured No

250 Each 34.0000 2 2

D3532-1

Spacer

**DAS
26
9-89**

OCT 29 2014

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST048	34	
115855	3	
117198	3	
122723	21	<i>24</i>
123513	7	

**DAS
03
9-89**

Picklist Print

Page 13

September-05-14 1:42:59 PM

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

MS21083C8

Purchased

No

250

Each

64.0000

2

MS21083C8

Nut

**

m130358

DAS
26
9-89

DAS
03
9-89

Location

Loc Qty

Loc Code

ST302

64

m127255

5

m128119

3

m128798

56

NAS1149D0863J

Purchased

No

250

Each

795.0000

2

NAS1149D0863J

Washer

**

DAS
26
9-89

DAS
03
9-89

Location

Loc Qty

Loc Code

ST276

595

118078

2

125268

586

125484

7

ST2776

200

125635

200

D3493-1

Manufactured

No

250

Each

139.0000

2

D3493-1

Washer

**

DAS
26
9-89

OCT 29 2014

DAS
03
9-89

Location

Loc Qty

Loc Code

FG

10

97201

10

ST046

129

109105

129

***ONLY INSTALL IF INSTALLING ON APICAL
FLOAT SYSTEM***

Picklist Print

September-05-14 1:42:59 PM

Work Order ID: 124021

124021

Parent Item: D350-636-012

D350-636-012

Parent Item Name: Skidtube RH Aerazur / Apical Cylindrical Compat.

Start Date: 9/05/14

Required Date: 9/05/14

Start Qty: 1.00

Required Qty: 1.00

AN8C21A

Purchased

No

250

Each

62.0000

2

2

AN8C21A

DAS

OCT 29 2014

Bolt

26
9-89

Location

Loc Qty

Loc Code

FG

2

123966

2

ST332

60

m127061

2

m127823

3

m129888

55

DAS
63
9-89

21

QTY -041	QTY -042	QTY -043	QTY -044	PART NUMBER	DESCRIPTION
X				D2750-041	350 SKIDTUBE ASSEMBLY, LH
	X			D2750-042	350 SKIDTUBE ASSEMBLY, RH
		X		D2750-043	350 SKIDTUBE ASSEMBLY, LH
			X	D2750-044	350 SKIDTUBE ASSEMBLY, RH
1	1	1	1	D2739	WEB
8	8	8	8	D2743	SPACER
1	1	1	1	D2744	CAP
8	8	8	8	D2745	BUSHING
1				D2750-1	SKIDTUBE WELDMENT, LH
	1			D2750-2	SKIDTUBE WELDMENT, RH
		1		D2750-3	SKIDTUBE WELDMENT, LH
			1	D2750-4	SKIDTUBE WELDMENT, RH
1		1		D3488-041	BLADE FITTING, LH
	1		1	D3488-042	BLADE FITTING, RH
4	4	4	4	D3490-1	SPACER
4	4			D3490-3	SPACER
		4	4	D3490-5	SPACER
8	8	8	8	D3492-041	PLUG ASSEMBLY
8	8			D3492-043	PLUG ASSEMBLY
		8	8	D3492-045	PLUG ASSEMBLY
1	1	1	1	D3535-25	WEARSHOE
1	1	1	1	D3536-25	GASKET
3	3	3	3	D3537-1	WEARPAD
8	8	8	8	D3631-1	WASHER
1	1	1	1	D3791-1	WEARPLATE
1	1	1	1	D3793-1	WEARSHOE
1	1	1	1	D3793-3	WEARSHOE
1	1	1	1	D3794-1	GASKET
1	1	1	1	D3794-3	GASKET
38	38	38	38	ALS4-1032-225	INSERT (OR ALS7-1032-225, AKS4-1032-225, AELS-1032-225)
34	34	34	34	AN3C5A	BOLT
4	4	4	4	AN3C6A	BOLT
4	4	4	4	AN6C44A	BOLT
1	1	1	1	AN8C35A	BOLT
38	38	38	38	AN960C10L	WASHER
1	1	1	1	AN960C816L	WASHER
4	4	4	4	MS21043-6	NUT
1	1	1	1	MS21083C8	NUT
4	4	4	4	NAS1515H3L	WASHER

GENERAL NOTES:

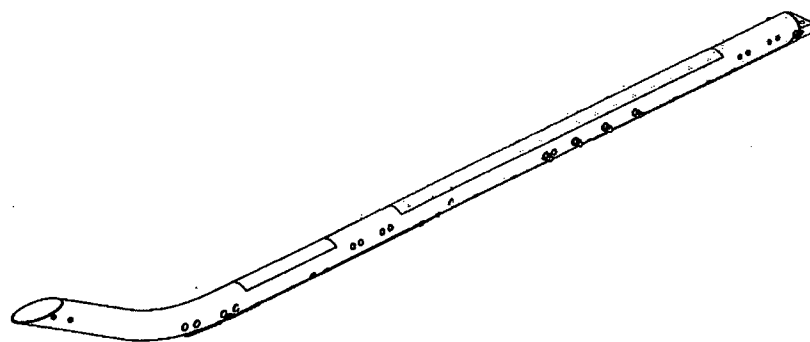
- MATERIAL: MAKE D2750-1/-2/-3/-4 FROM D2600-3 EXTRUSION (INITIAL LENGTH = 120.0).
- FINISH: ACID ETCH, ALODINE ASSEMBLY PER DART QSI 005 4.1 PRIOR TO INSTALLING D2739 WEB.
STANDARD: PRIME (REF. 4.2.1.3.3) AND PAINT WHITE PER DART QSI 005 4.2
OPTIONAL: POWDER COAT WHITE (REF. 4.3.5.1) PER DART QSI 005 4.3
BLACK ANTI-SKID PAINT AS INDICATED TO 1.0 ABOVE SKIDTUBE CENTER-LINE PER DART 005 4.4 (OPTIONAL).
- TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- UNITS: INCHES UNLESS OTHERWISE NOTED
- BREAK SHARP EDGES: N/A
- IDENTIFICATION: N/A
- WEIGHT: D2750-041/-042/-043/-044 = 26.5 LBS
- WELD PER DART QSI 004
- INSTALL ALS4-1032-225 INSERTS AFTER FINISH AS INDICATED. DRILL 'F' SIZE HOLES ($\phi 0.297$) FOR WEARSHOE INSERTS
- FINAL CONFIGURATION SHOULD HAVE THE FOLLOWING MINIMUM MECHANICAL PROPERTIES:
MINIMUM YIELD TENSILE STRENGTH = 35 KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 38 KSI
- COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES "LPS PROCYON" AFTER FINAL ASSEMBLY, CLEAN EXCESS OFF
FINISH WITH MEK DEGREASER.
- SPACER AND PLUG INSTALLED SAME AS SECTION AJ-AJ EXCEPT HORIZONTAL
- SPACER AND PLUG INSTALLED SAME AS SECTION AP-AP EXCEPT HORIZONTAL

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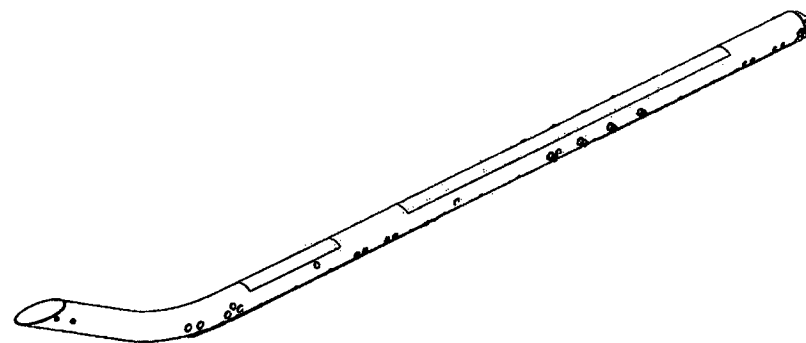
NO 124021 MJS
1409-05

RELEASED
2013-08-13
W

G	CORRECTED TOLERANCE ON $\phi 0.500$ THRU HOLE: IS +0.010/-0.000, WAS +0.100/-0.000 (ZN B3-4, B2-5); ADD VIEW TO CONTROL FWD BEND ORIENTATION (ZN D-14/-5/-6/-7); UPDATED FINISH OPTIONS: INSIDE OF TUBE NO LONGER SPRAYED WITH LPS-3. REASON: PART13-276 AND NCR13-2757	MB	13.07.11
F	INCORPORATE DSI 9413; QTY (3) D3537-1 WAS QTY (5) (ZN C8-1); D3791-1/-3 REPLACES D3535-13/-35 (ZN C8-1); D3794-1/-3 REPLACES D3536-13/-35 (ZN B8-1); ADD D3791-1 (ZN C8-1); WEARSHOE HOLES UNDER FWD/AFT SADDLE REMOVED (8 PL). WEARSHOE HARDWARE QTY UPDATED (ZN B8-1); D3488-041/-042 HARDWARE UPDATED (ZN C1-8, 9, 10, 11); ADD NOTE 12 AND 13 (ZN A6-1); REASON: REF. NCR 08-043	PH	08.07.16
E	CHANGE TO STAINLESS STEEL WEARPLATES; ADD RUBBER GASKETS, CHANGE INSERTS; ADD D3631-1; REMOVE QTY (38) NAS1515H3L; REMOVE QTY (10) NAS1515H8L; REMOVE D2741, QTY (2) AN960C816; REMOVE QTY (2) MS21083C8	CB	07.05.17
D	ADD HOLES AND SPACERS FOR APICAL FLOATS; INCORPORATE DEO 9133/9157	PH	06.01.05
C	ADD D2750-3/D2750-4; INCORPORATE D2738 AND D2740	CP	98.11.18
B	CHANGE MS24694-S293 TO AN8-16A	CP	98.09.01
A	NEW ISSUE	DS	98.04.16
REV.	DESCRIPTION	BY	DATE
DESIGN	MM	DART AEROSPACE USA, INC.	
DRAWN		KENT, WA	
CHECKED		DRAWING NO.	REV. G
MFG. APPR.		D2750	SHEET 1 OF 11
APPROVED		TITLE	SCALE
DE APPR.		350 SKIDTUBE ASSEMBLY	NTS
DATE	13.07.11	COPYRIGHT © 1988 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



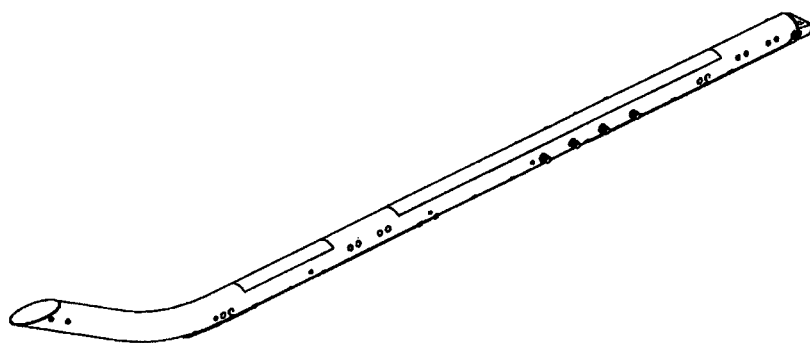
D2750-041 350 SKIDTUBE ASSEMBLY, LH



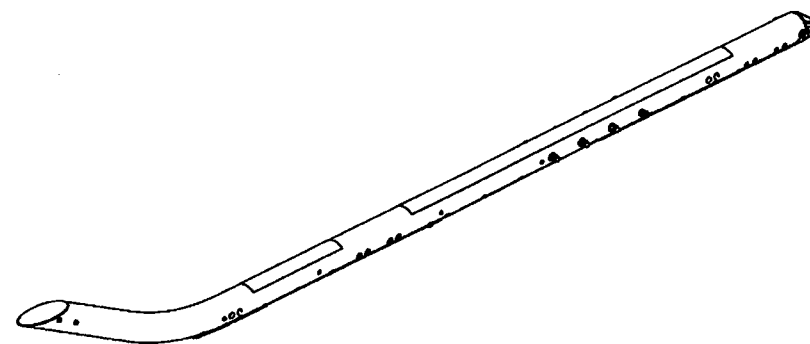
D2750-042 350 SKIDTUBE ASSEMBLY, RH

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2013-08-13
ND

DESIGN	MM	DART AEROSPACE USA, INC.	
DRAWN		KENT, WA	
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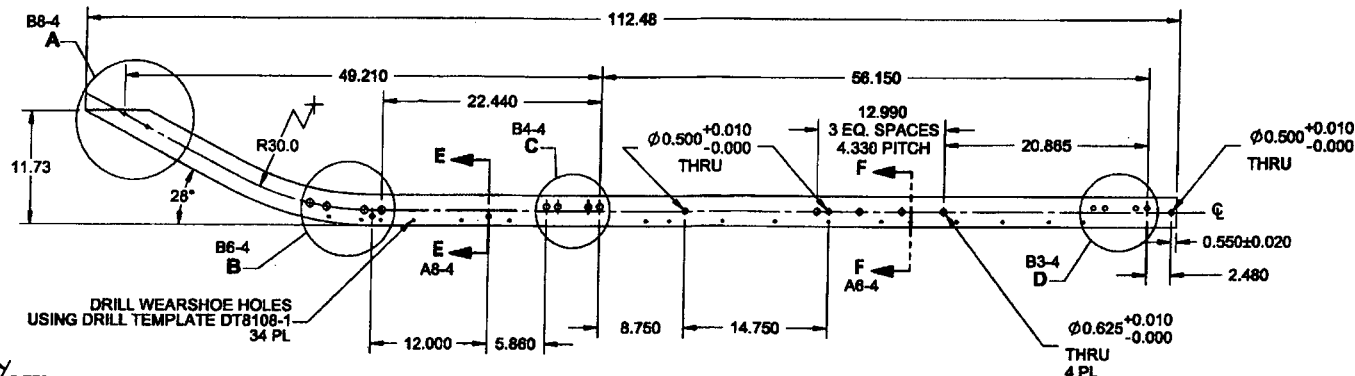
D2750-043 350 SKIDTUBE ASSEMBLY, LH



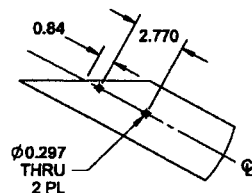
D2750-044 350 SKIDTUBE ASSEMBLY, RH

RELEASED
2013-08-13
wp

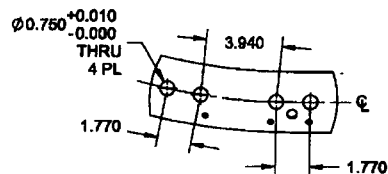
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DRAWN	<i>[Signature]</i>	KENT, WA	
CHECKED	<i>[Signature]</i>	DRAWING NO. D2750	REV. G
MFG. APPR.	<i>[Signature]</i>	SHEET 3 OF 11	
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	350 SKIDTUBE ASSEMBLY	NTS
DATE	13.07.11	<small>COPYRIGHT © 1986 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	



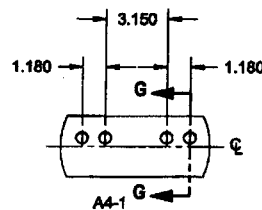
D2750-1 LH SKIDTUBE



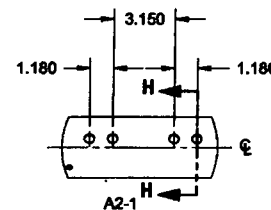
DETAIL A
SCALE 2X



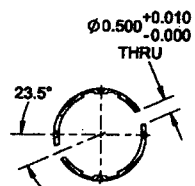
DETAIL B
SCALE 2X



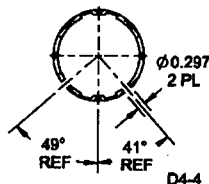
DETAIL C
SCALE 2X



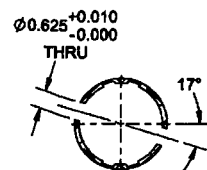
DETAIL D
SCALE 2X



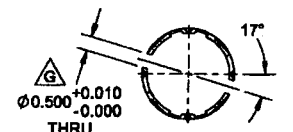
SECTION E-E
SCALE 3X, 2 PL



SECTION F-F
SCALE 3X, 17 PL



SECTION G-G
SCALE 3X, 4 PL

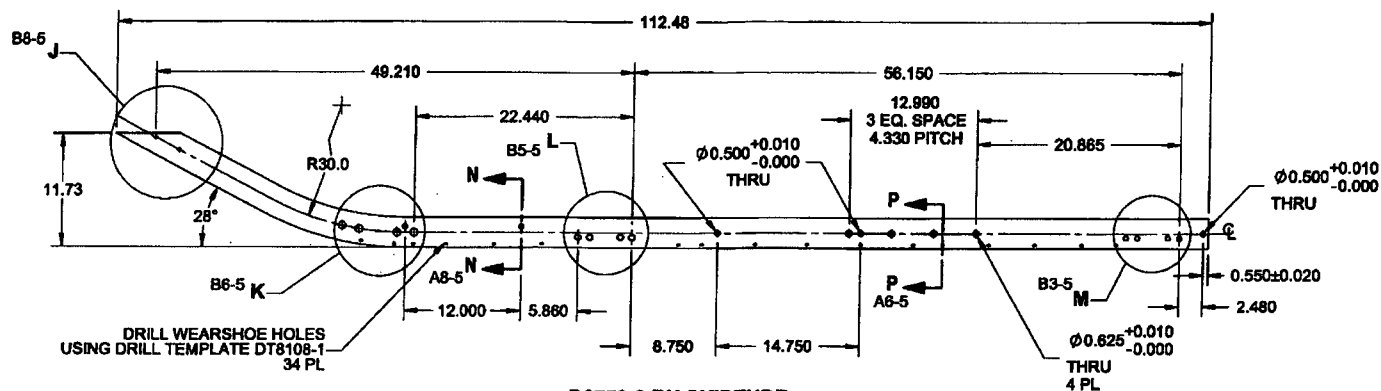


SECTION H-H
SCALE 3X, 4 PL

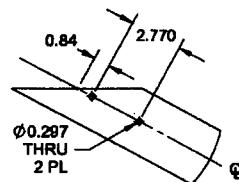
DESIGN	MM	DART AEROSPACE USA, INC.	
DRAWN		KENT, WA	
CHECKED		DRAWING NO.	REV. G
MFG. APPR.		D2750	SHEET 4 OF 11
APPROVED		TITLE	SCALE
DE APPR.		350 SKIDTUBE ASSEMBLY	NTS
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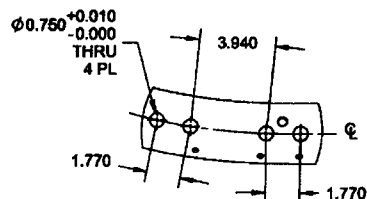
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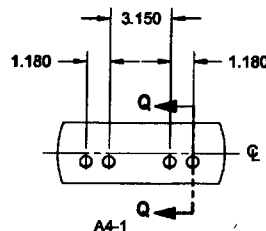
D2750-2 RH SKIDTUBE



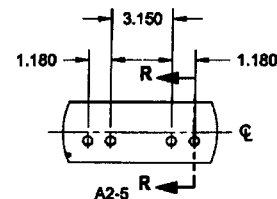
DETAIL J
SCALE 2X



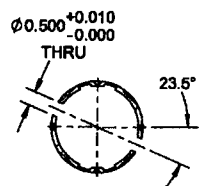
DETAIL K
SCALE 2X



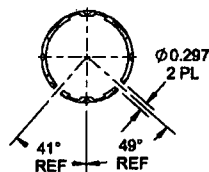
DETAIL L
SCALE 2X



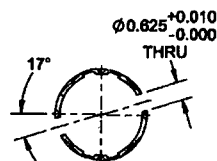
DETAIL M
SCALE 2X



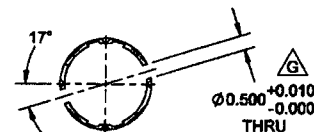
SECTION N-N
SCALE 3X, 2 PL



SECTION P-P
SCALE 3X, 17 PL



SECTION Q-Q
SCALE 3X, 4 PL



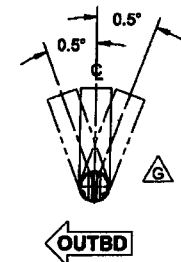
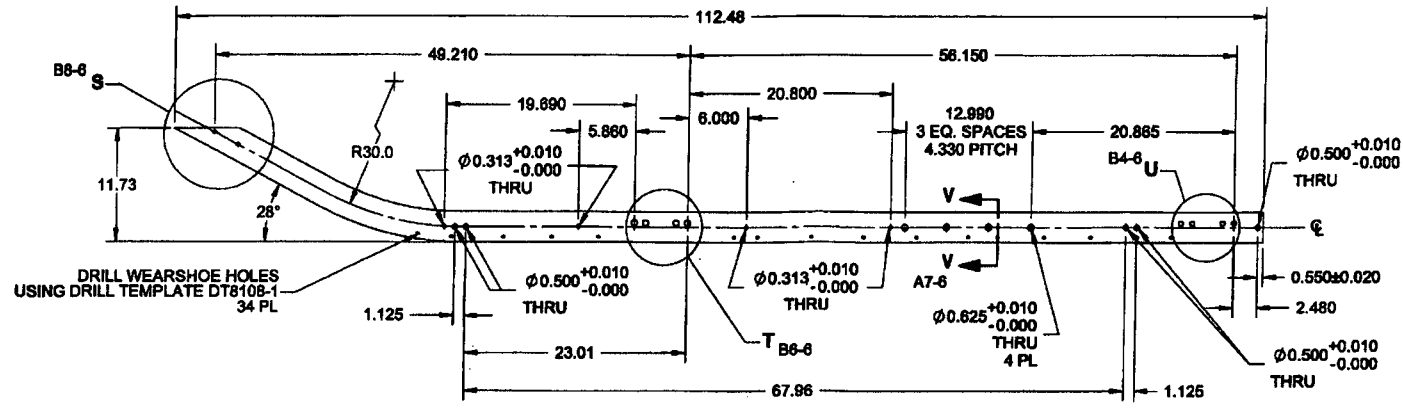
SECTION R-R
SCALE 3X, 4 PL

DESIGN	MM	DART AEROSPACE USA, INC.	
DRAWN		KENT, WA	
CHECKED		DRAWING NO.	REV. G
MFG. APPR.		D2750	SHEET 6 OF 11
APPROVED		TITLE	SCALE
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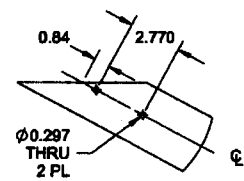
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2013-08-13

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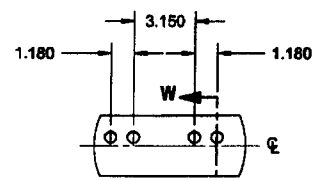
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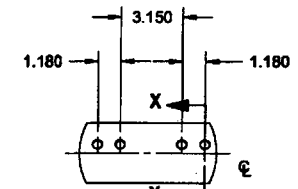
D2750-3 LH SKIDTUBE



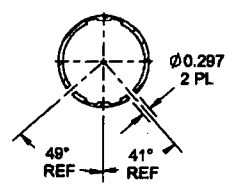
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SCALE 2X



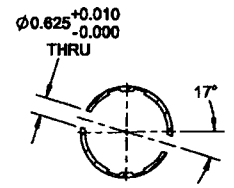
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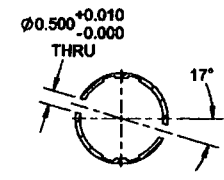
DETAIL U
D3-6
SCALE 2X



SECTION V-V
C4-6
SCALE 3X, 17 PL



SECTION W-W
B8-6
SCALE 3X, 4 PL

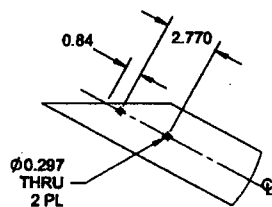
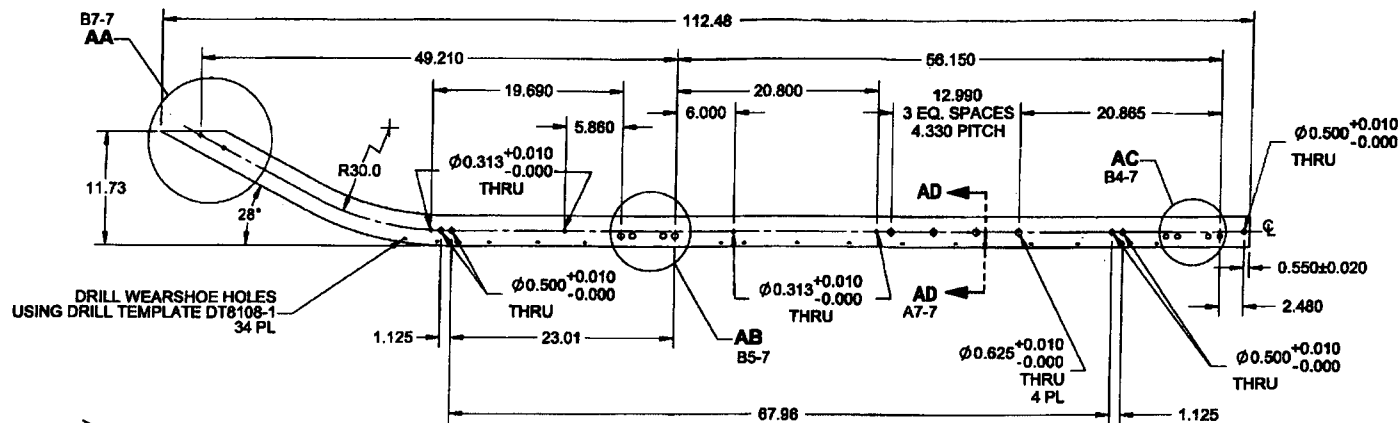


SECTION X-X
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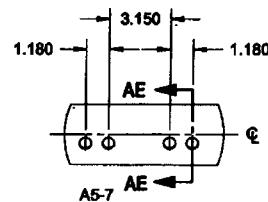
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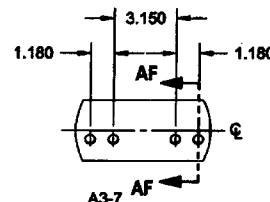
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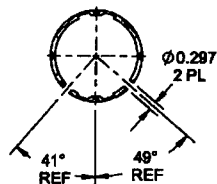
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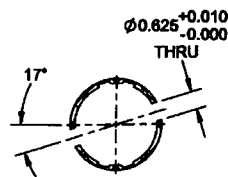
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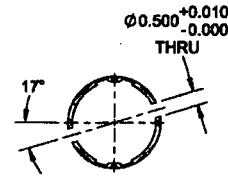
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SECTION AD-AD
SCALE 3X, 17 PL



SECTION AE-AE
SCALE 3X, 4 PL

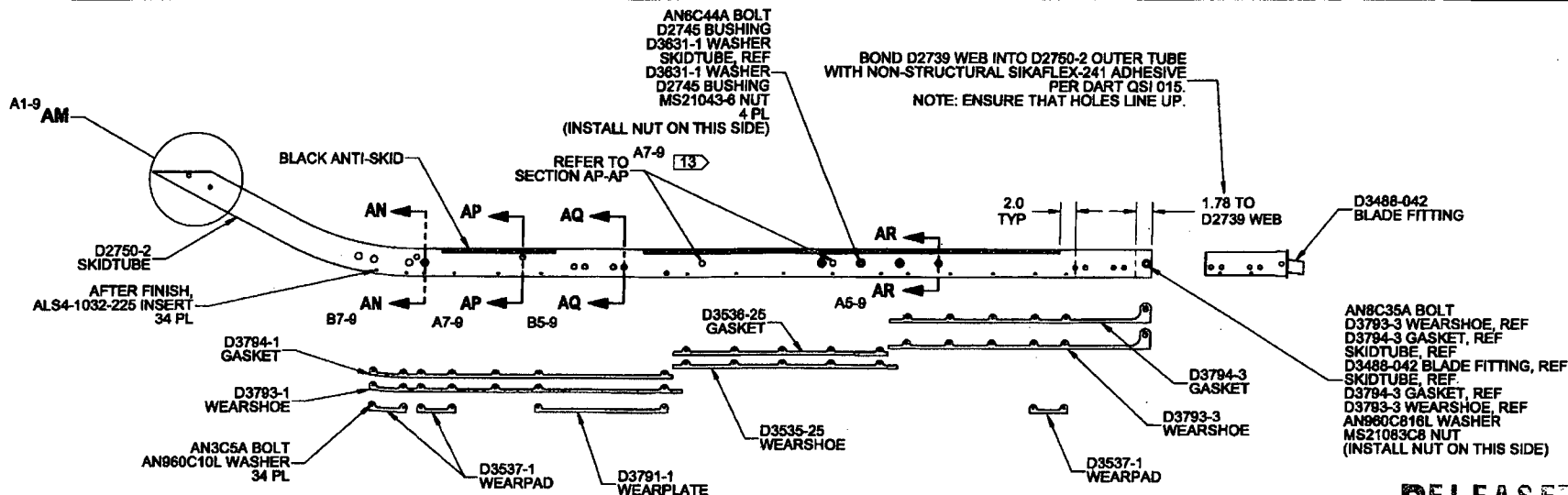


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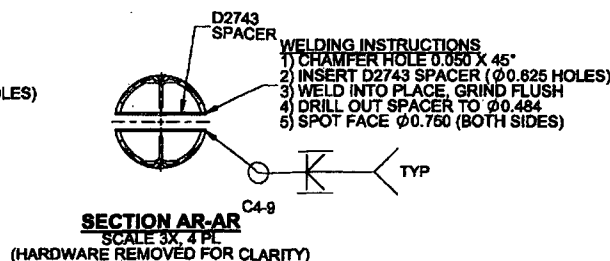
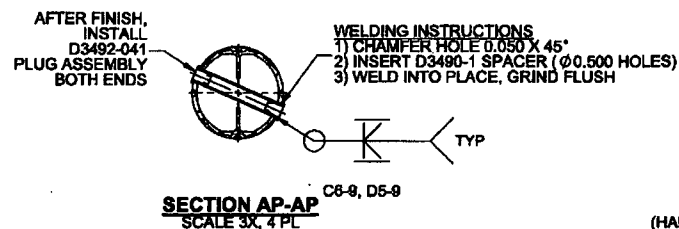
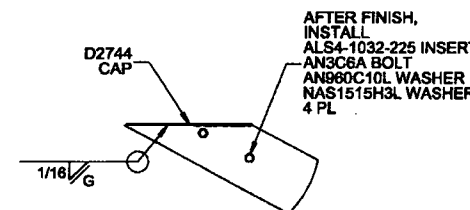
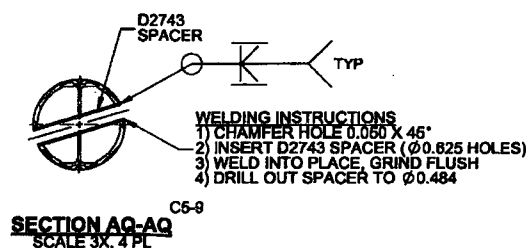
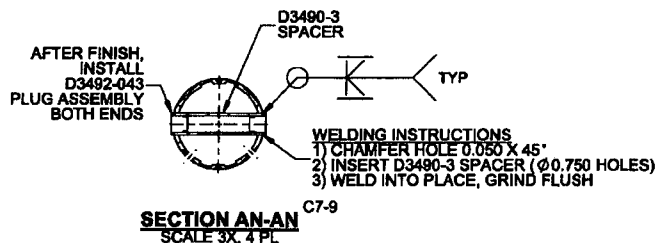
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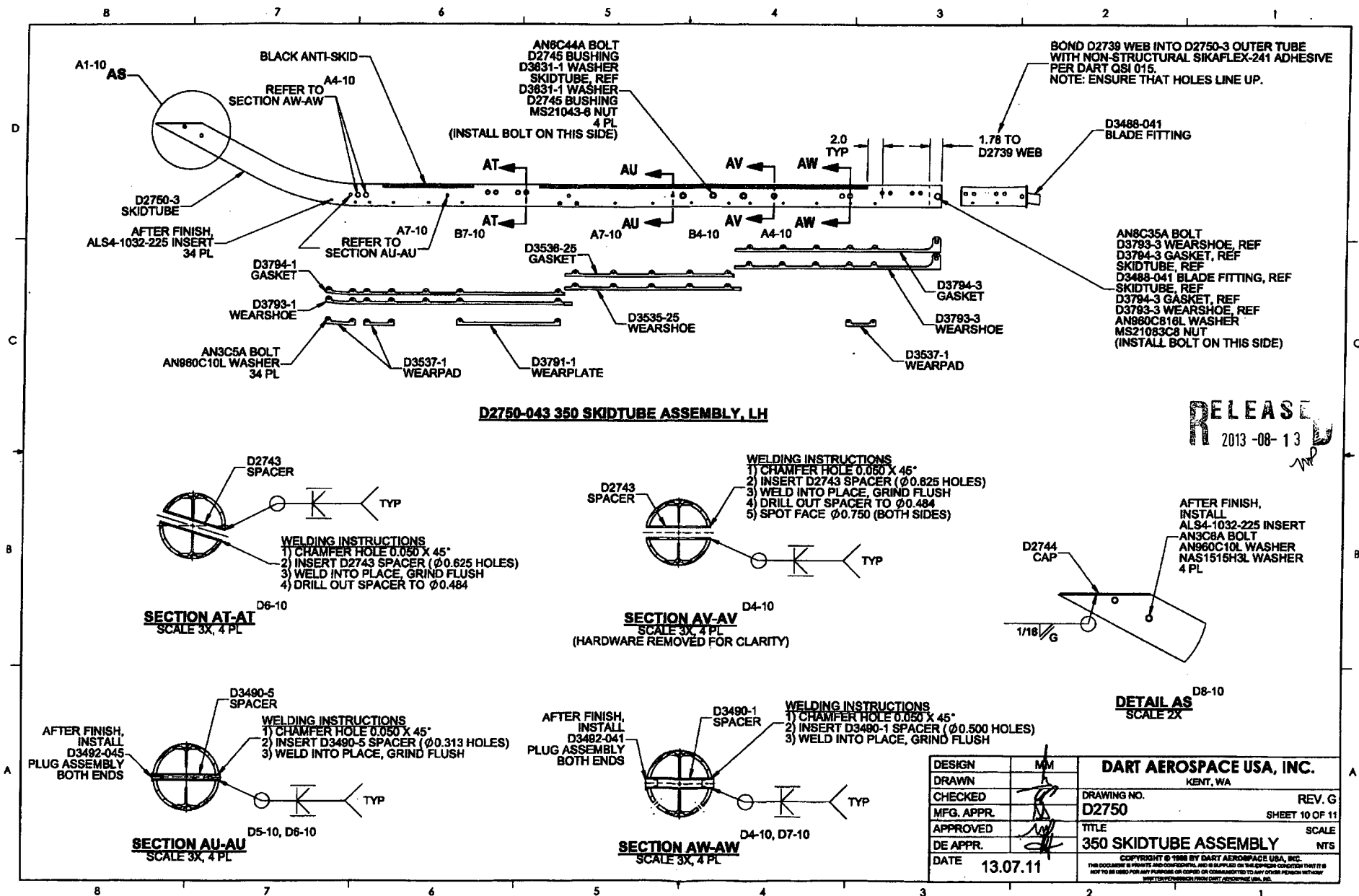


D2750-042 350 SKIDTUBE ASSEMBLY, RH

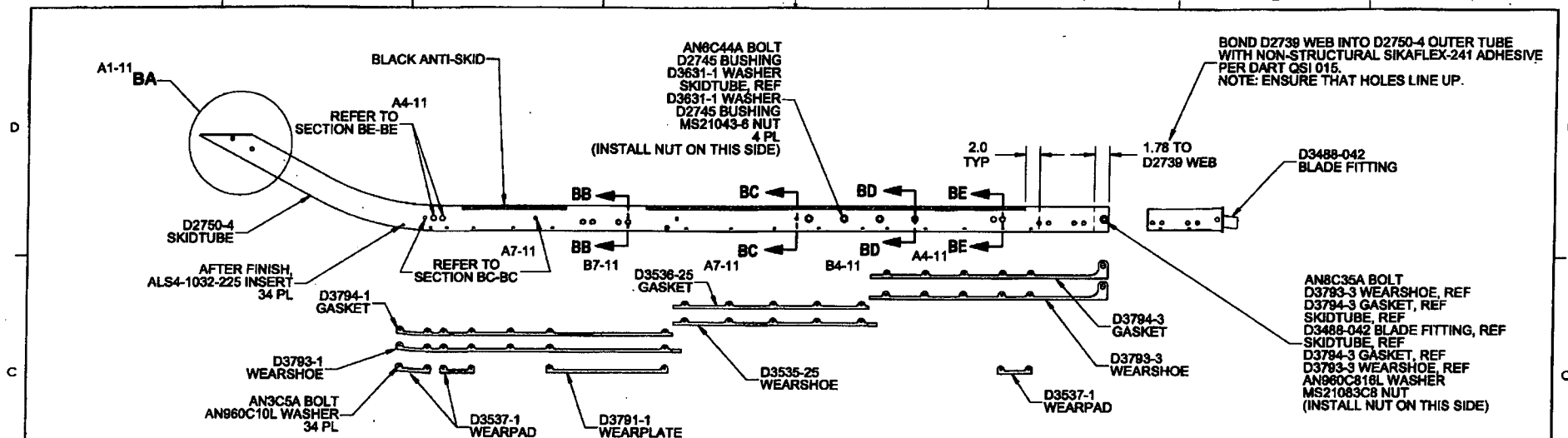
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2013-08-13



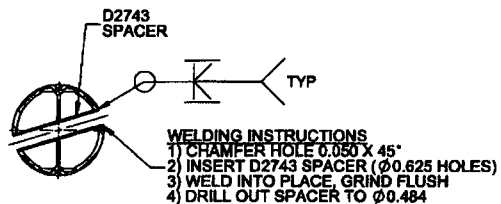
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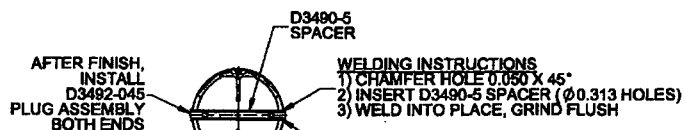
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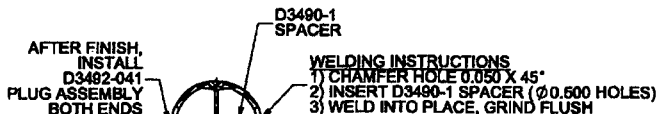
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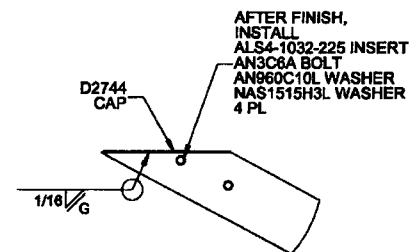
SECTION BD-BD
SCALE 3X, 4 PL
(HARDWARE REMOVED FOR CLARITY)



SECTION BC-BC
SCALE 3X, 4 PL



SECTION BE-BE
SCALE 3X, 4 PL



DETAIL BA
SCALE 2X

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